

Chemical Process MCQ Question Answer

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Question: 1. Bordeaux mixture is a/an

- Option A. Fertiliser
- Option B. Inorganic fungicide
- Option C. Insecticide
- Option D. Explosive

Question: 2. Blue colour is imparted to glass by the addition of

- Option A. FeSO_4
- Option B. PbO
- Option C. CaO
- Option D. NaOH

Question: 3. How much temperature is maintained during quicklime manufacture in the calcination zone of the vertical shaft kiln?

- Option A. 500°C
- Option B. 750°C
- Option C. 1000°C
- Option D. 1500°C

Question: 4. Penicillin, an antibiotic drug was discovered by

- Option A. Alexander
- Option B. Flaming
- Option C. Doctor Zhivago
- Option D. None of these

Question: 5. Fermentation of molasses to produce ethyl alcohol is done at _____ $^\circ\text{C}$.

- Option A. 20 - 30
- Option B. < - 5
- Option C. 100 - 150
- Option D. 250 - 300

Question: 6. Bromides contained in hot mother liquor is treated with _____ during manufacture of bromine from sea water.

- Option A. SO_3
- Option B. Cl_2
- Option C. NH_3
- Option D. SO_2

Question: 7. White phosphorous is stored under water, because

Option A. It does not react with water

Option B. It is poisonous

Option C. Its kindling temperature in dry air is very low

Option D. It is unstable

Question: 8. Triple superphosphate is manufactured by reacting

Option A. Phosphate rock with phosphoric acid

Option B. Phosphate rock with sulphuric acid

Option C. Phosphate rock with nitric acid

Option D. Ammonium phosphate with phosphoric acid

Question: 9. Phthalic anhydride is used

Option A. In making PVC

Option B. As plasticisers

Option C. In insecticides manufacture

Option D. For making nylon-6

Question: 10. The yield of tar from high temperature carbonisation of dry coal is about _____ percent.

Option A. 3

Option B. 12

Option C. 22

Option D. 0.3

Question: 11. Phenol formaldehyde is produced by condensation polymerisation. It is also known as

Option A. Teflon

Option B. Bakelite

Option C. Polyester

Option D. Nylon-66

Question: 12. Paper grade bamboo contains about _____ percent cellulose.

Option A. 5

Option B. 20

Option C. 40

Option D. 60

Question: 13. High temperature carbonisation of coal produces

Option A. Inferior coke compared to low temperature carbonisation

Option B. Less of gases compared to liquid products

Option C. Larger quantity of tar compared to low temperature carbonisation

Option D. None of these

Question: 14. Salt is the basic raw material for the manufacture of

- Option A. Cement
- Option B. Glass
- Option C. Potteries
- Option D. Caustic soda

Question: 15. Calgon used in water treatment is chemically

- Option A. Sodium phosphate
- Option B. Sodium hexametaphosphate
- Option C. Calcium phosphate
- Option D. Tricresyl phosphate

Question: 16. Use of chlorine in the treatment of sewage

- Option A. Helps in grease separation
- Option B. Increases the biological oxygen demand (BOD)
- Option C. Causes bulking of activated sludge
- Option D. Aids in flocculation

Question: 17. Wet chlorine gas produced during electrolysis of brine is dehydrated by

- Option A. Spraying 66° Be H₂SO₄ counter current to the flow of the gas
- Option B. Passing it through a bed of diatomaceous earth
- Option C. Passing it through a bed of silica gel
- Option D. None of these

Question: 18. Portland cement consists mainly of

- Option A. CaO & SiO₂
- Option B. SiO₂ & Al₂O₃
- Option C. CaO & Al₂O₃
- Option D. CaO & Fe₂O₃

Question: 19. Mannheim furnace is used in the manufacture of

- Option A. Hydrochloric acid
- Option B. H₂SO₄ by Chamber process
- Option C. Calcium carbide
- Option D. Corundum

Question: 20. Sucrose content in the raw juice extracted from sugar cane is about _____ percent.

- Option A. 1 - 2
- Option B. 15 - 20
- Option C. 50 - 60
- Option D. 80 - 85

Question: 21. Plasticisers are added to paints to

- Option A. Make it corrosion resistant
- Option B. Make glossy surface
- Option C. Give elasticity & prevent cracking of the film
- Option D. Increase atmospheric oxidation

Question: 22. Vegetable oils contain large quantity of glycerides of unsaturated acids. When the vegetable oils contain high amount of saturated fatty acids, it is termed as _____ oil.

- Option A. Drying
- Option B. Semi-drying
- Option C. Non-drying
- Option D. None of these

Question: 23. Chemical name of soda ash is

- Option A. Sodium bicarbonate
- Option B. Sodium thiosulphate
- Option C. Potassium carbonate
- Option D. None of these

Question: 24. Ethanol amine is produced using ammonia and

- Option A. Ethyl benzene
- Option B. Ethylene oxide
- Option C. Ethanol
- Option D. Ethane

Question: 25. Thermoplastic materials

- Option A. Do not soften on application of heat
- Option B. Are heavily branched molecules
- Option C. Are solvent insoluble
- Option D. None of these

Question: 26. The type of high refractive index glass used in optical instruments is _____ glass.

- Option A. Pyrex
- Option B. Flint
- Option C. Crookes
- Option D. None of these

Question: 27. All enzymes are made of

- Option A. Fats
- Option B. Carbohydrates

- Option C. Proteins
- Option D. Amino acids

Question: 28. Bromine is used in the preparation of

- Option A. Fire extinguishing compounds
- Option B. Fire proofing agents
- Option C. Dyes and antiknock compounds
- Option D. All (A), (B) and (C)

Question: 29. Starting material for the commercial production of ethyl alcohol in India is

- Option A. Rice
- Option B. Molasses
- Option C. Fruit of Mahua tree
- Option D. Maize

Question: 30. DDT stands for

- Option A. Diethyl-diphenyl-trichloromethane
- Option B. Dichloro-diphenyl-trichloromethane
- Option C. diphenyl-dichloro-trichloromethane
- Option D. Dichloro-diphenyl-trichloroethane

Answer Sheet

1	B	
2	C	
3	C	
4	A	
5	A	
6	B	
7	C	
8	A	
9	B	
10	A	
11	B	
12	A	
13	D	
14	D	
15	B	
16	A	
17	A	
18	A	
19	A	
20	B	
21	C	
22	C	
23	D	
24	B	
25	D	
26	B	
27	C	
28	D	
29	B	
30	D	